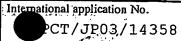
A. CLASSIFICATION OF SUBJECT MATTER TYDING THE INT. C1 ⁷ H01L41/18, 41/22	gard CBECsectors at empleyed continuous (1)
and a came whole I seemed their the best to be considered in	and the state of t
According to International Patent Classification (IPC) or to both n	ational classification and IPC
B. FIELDS SEARCHED	Brustish the France Robert Leading
Minimum documentation searched (classification system followed Int.Cl ⁷ , H01L41/18, 41/22	by classification symbols)
	Strategy of the Control of the Contr
Documentation searched other than minimum documentation to the	e extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Kokai Jitsuyo Shinan Koho 1971-2004	Toroku Jitsuyo Shinan Koho 1994-2004
Electronic data base consulted during the international search (name of the content of the conte	ne of data base and, where practicable, search terms used)
of Mark 13 and Oraposite MC Way of Concember 1999	to discussion R of the Little of the City
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category* Citation of document, with indication, where a	
Y US 4874727 A (NGK SPARK PLUC 17 October, 1989 (17.10.89), Full text & JP 63-60110 A Page 2, lower left column, 1 upper left column, line 12; Y JP 11-233844 A (Omron Corp.)	ine 14 to page 5, Figs. 3 to 5
27 August, 1999 (27.08.99), Page 2, left column, line 44 column, line 22; Fig. 2 (Family: none)	to page 3, right
Further documents are listed in the continuation of Box C.	See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason.(as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 26 January, 2004 (26.01.04)	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 10 February, 2004 (10.02.04)
Name and mailing address of the ISA/ Japanese Patent Office Facsimile No.	Authorized officer BEST AVAILABLE COPY Telephone No.

INTERNATIONAL SEARCH REPORT



C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category Ca		CI/J			P03/14358	
Y JP 6-287448 A (Mitsubishi Petrochemical Co., Ltd.), 11 October, 1994 (11.10.94), Page 4, left column, lines 4 to 16 (Family: none) Y JP 2001-15822 A (Ueda Japan Radio Co., Ltd.), 19 January, 2001 (19.01.01), Page 3 "right column, lines 24 to 27 (Family: none) Y Tadashi SEKIYA, "Ceramic Actuator no Smart-ka " 1-2; Dai 1 Kai "Chiteki Zairyo Kozo System", Symposium Koenshu, R & D Institute of Metals and Composities for Future Industries (RIMCOF), 07 December, 1999 (07.12.99), pages 65 to 68	C (Cont	inuation). DOCUMENTS CONSIDERED TO BE RELEVANT	1 195 4: X 31.	Market Comment		
ll October, 1994 (11.10.94), Page 4, left column, lines 4 to 16 (Family: none) Y JP 2001-15822 A (Ueda Japan Radio Co., Ltd.), 19 January, 2001 (19.01.01), Page 30 right column, lines 24 to 27 (Family: none) Y Tadashi SEKIYA, "Ceramic Actuator no Smart-kal", Dai 1 Kai "Chitek Zaiyo Kozo System", Symposium Koenshu, R & D Institute of Metals and Composites for Future Industries (RINCOF), 07 December, 1999 (07.12.99), pages 65 to 68	Categor	•	/::	Relevant to clain	n No.	
19 January, 2001 (19.01.01) "Page 39 might column, lines 24 to 27 (Family none) Y Tadashi SEKIYA, "Ceramic Actuator no Smart-ka 1" Dai I Kai 'Chiteki Zairyo Kozo System', Symposium Koenshu, R & D Institute of Metals and Composites for Future Industries (RIMCOF), 07 December, 1999 (07.12.99), pages 65 to 68	Y	11 October, 1994 (11.10.94), Page 4, left column, lines 4 to 16	111. V.	98240		
"Page 30 right column, lines 24 to 27 (Family: none) Tadashi SEKIYA, "Ceramic Actuator no smart_ka " 1-21 Dai 1 Kai "Chiteki Zairyo Kozo System", Symposium Koenshu, R & D Institute of Metals and Composites for Future Industries (RIMCOF), 07 December, 1999 (07.12.99), pages 65 to 68	Y	1 10 7 0001 (10 01 01)				
Y Tadashi SEKIYA, "Ceramic Actuator no Smart-ka I". Dai 1 Kai 'Chiteki Zairyo Kozo System', Symposium Koenshu, R & D Institute of Metals and Composites for Future Industries (RIMCOF), 07 December, 1999 (07,12,99), pages 65 to 68	And the second	Page 3, right column, lines 24 to 27	ania indio (e, di	o moneroum of the second of th		
	, Y ·	Tadashi SEKIYA, "Ceramic Actuator no Smar Dai 1 Kai 'Chiteki Zairyo Kozo System', S Koenshu, R & D Institute of Metals and Cor for Future Industries (RIMCOF), 07 December (07.12.99), pages 65 to 68	t-ka I", ymposium mposites er, 1999	1-2,1	. * \	
	~			41 (h. 1994) 20		
	े कि है। सम्			to the state of	:	
		The state of the s	to Alle MARIE (Alle) Tarresto de la companya (alle)			
	.		7	· ;		
					-	
	ı				ı	
					÷	
REST AVAILABLE AGENT			Literatura (1941) Harriston (1941)		:	
BEST AVAILABLE CODY	1		·	•	الم ا	
BEST AVAILABLE CODY					\mathbb{T}^{1}	
REST AVAILABLE CODY					ļ	
REST AVAILABLE CODY			·]		Ė	
REST AVAILABLE CODY	1					
REST AVAILABLE CONV.						
BEST AVAILABLE CODY			6.7		j	
REST AVAILABLE CODY					ļ	
REST AVAILABLE CODY						
BEST AVAILABLE CODY				1.11 11 11	.	
BEST AVAILABLE CODY					ľ	
BEST AVAILABLE CODY					,	
BEST AVAILABLE CODY				,		
		BEST AVAILABLE	CORY			